

Translation of capped-5'+3' UTR-Luciferase RNA in
the presence of competitor RNAs

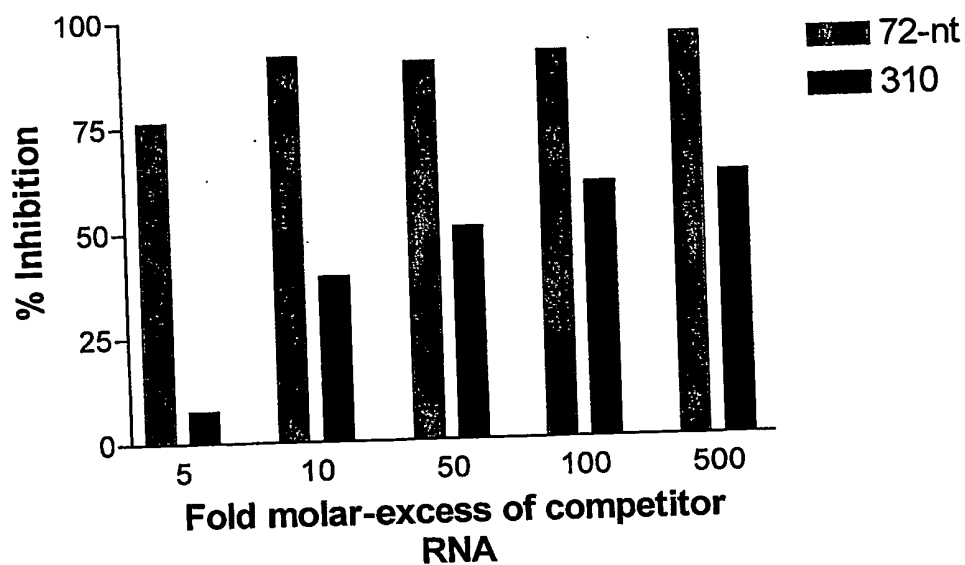


FIG 1

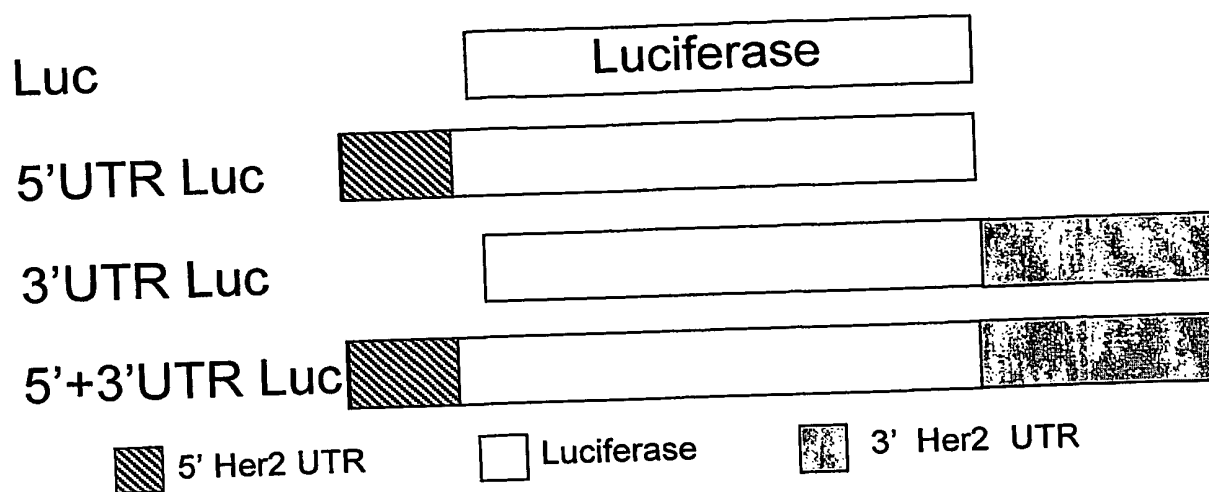


FIG 2

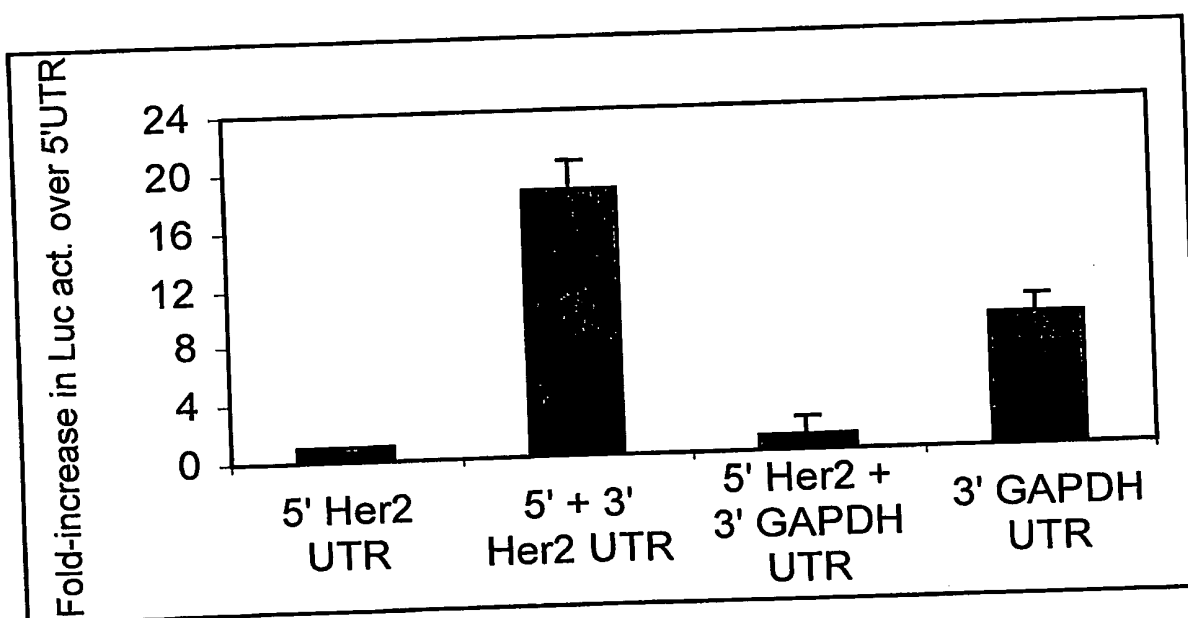


FIG 3

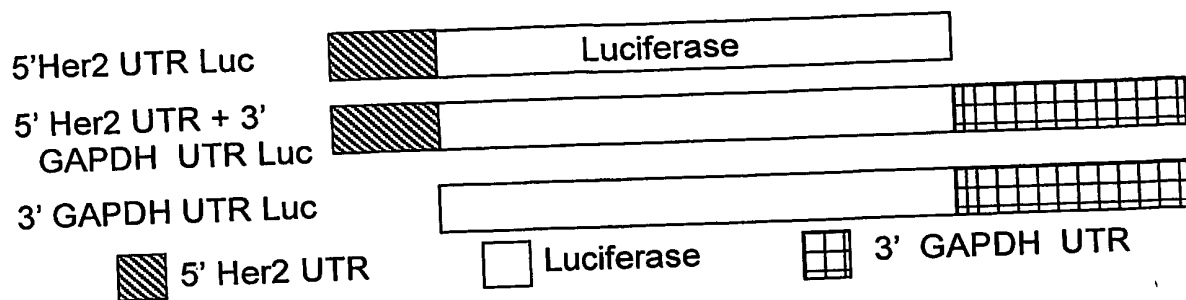


FIG 4

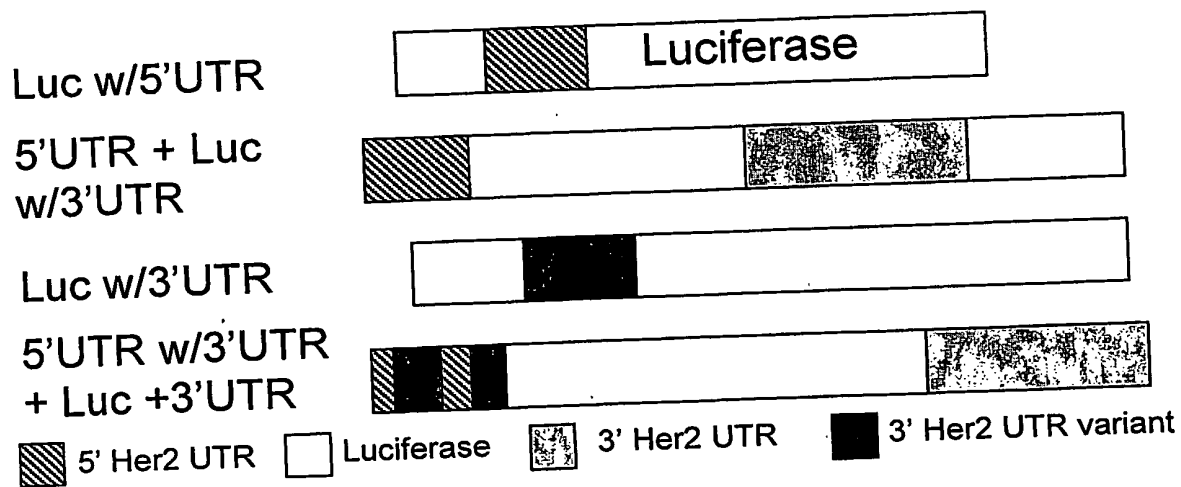
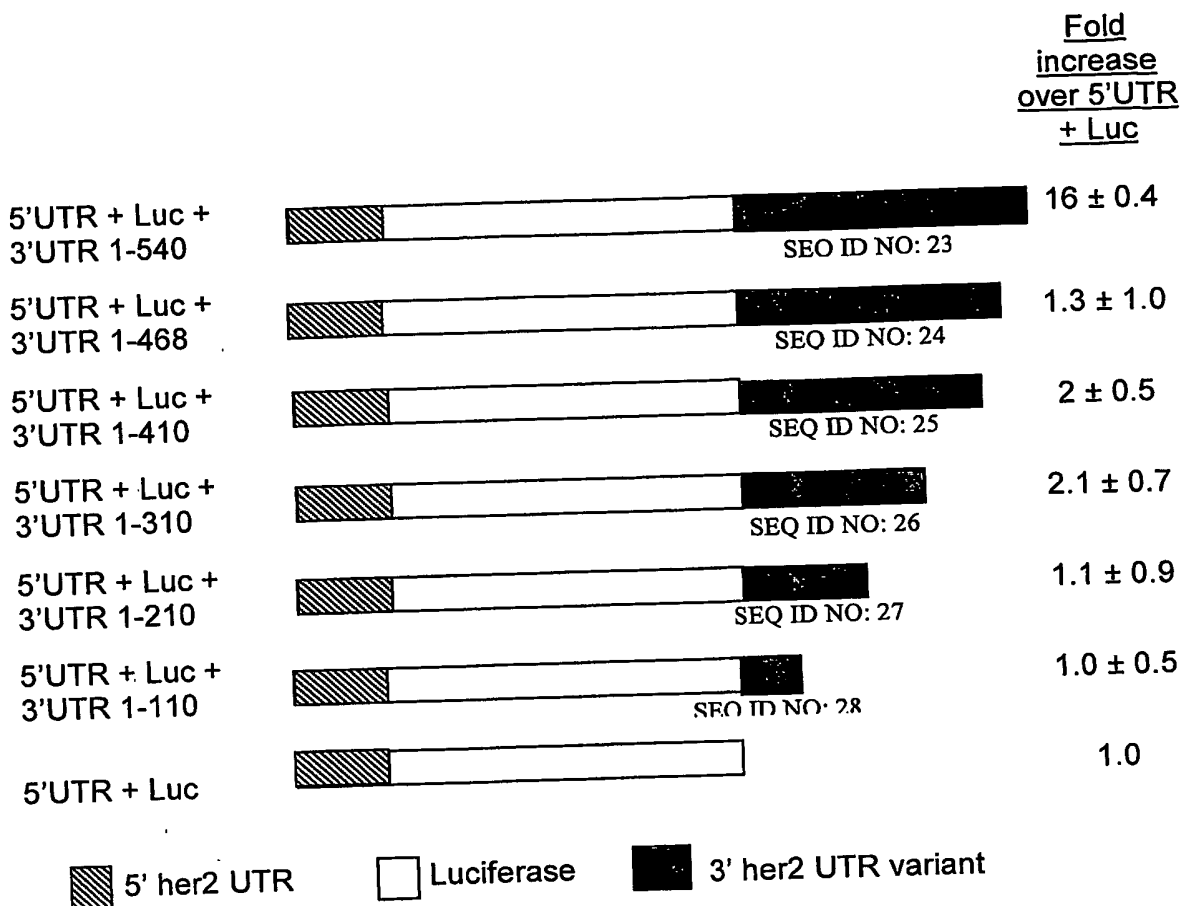


FIG 5

**FIG 6**

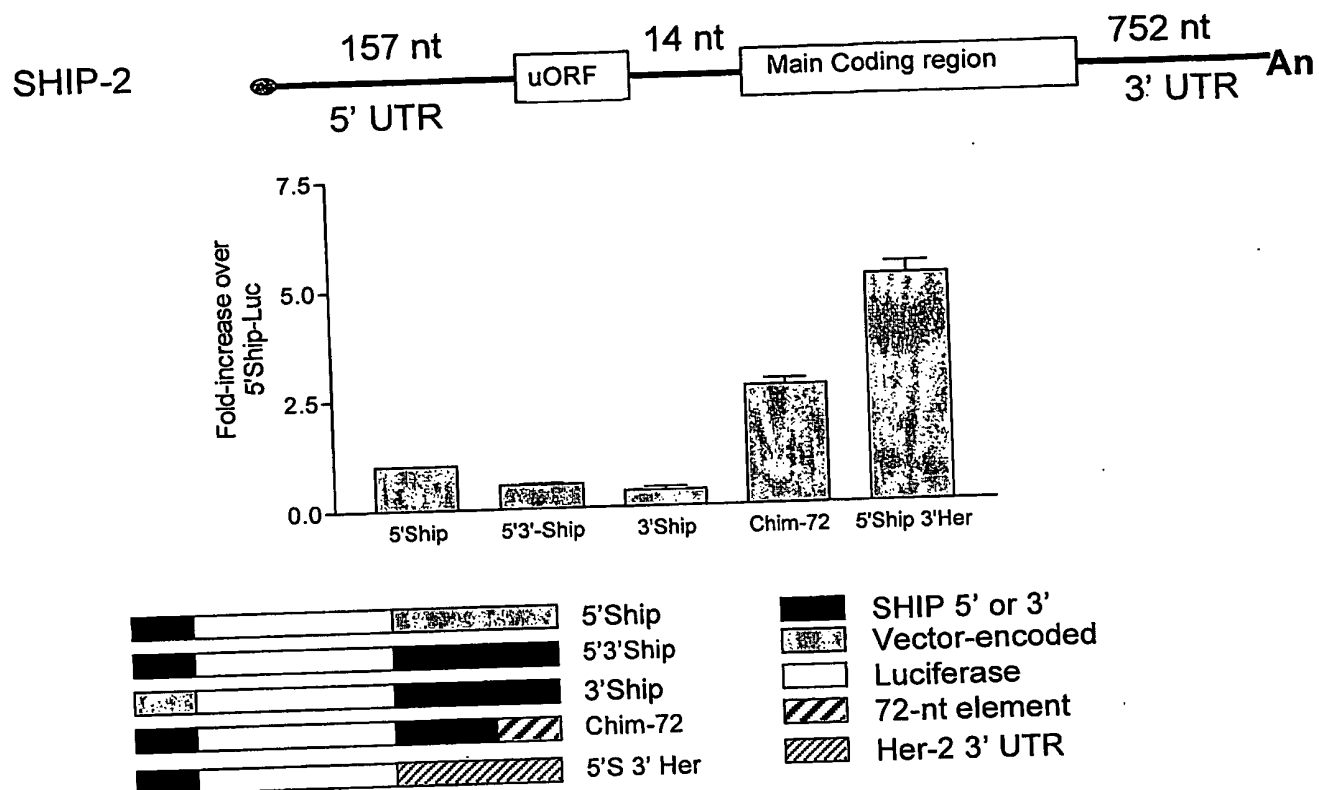
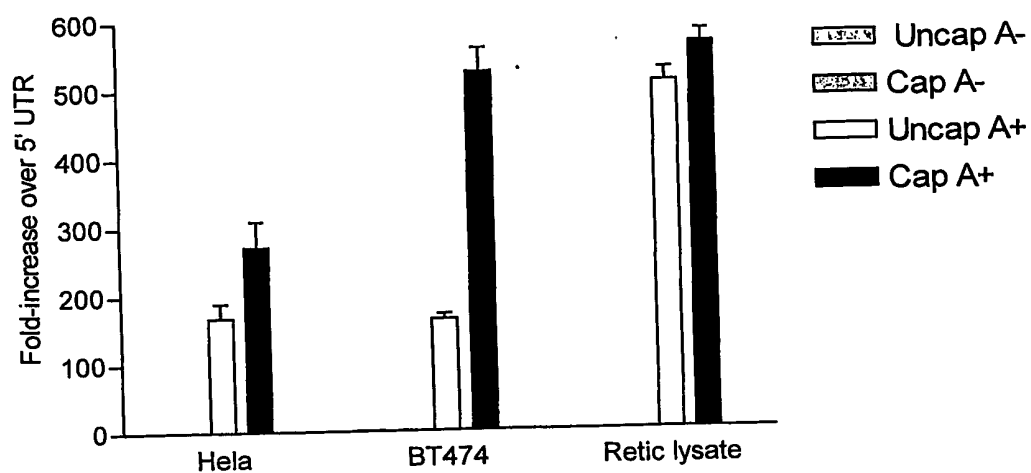


FIG 7

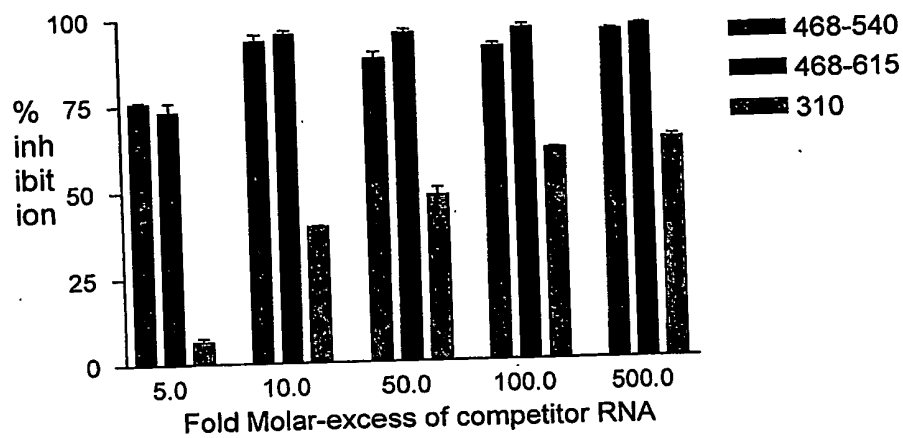


| | Hela | | BT474 | | Retic Lysate | |
|----------------|---------|------|---------|------|--------------|-------|
| | Average | SD | Average | SD | Average | SD |
| Uncapped A (-) | 0.21 | 0.04 | 0.48 | 0.17 | 0.125 | 0.049 |
| Capped A (-) | 0.18 | 0.09 | 0.37 | 0.16 | 0.04 | 0.01 |
| Uncapped A (+) | 167.8 | 35.9 | 163.6 | 14.5 | 507.1 | 34.2 |
| Capped A (+) | 270.9 | 65.7 | 523.9 | 60.1 | 563.50 | 33.76 |

FIG 8

A.

Translation of Cap-5H3H-LUC in the presence of competitor RNAs



B.

Translation of Capped-Vector RNA in the presence of competitor RNAs

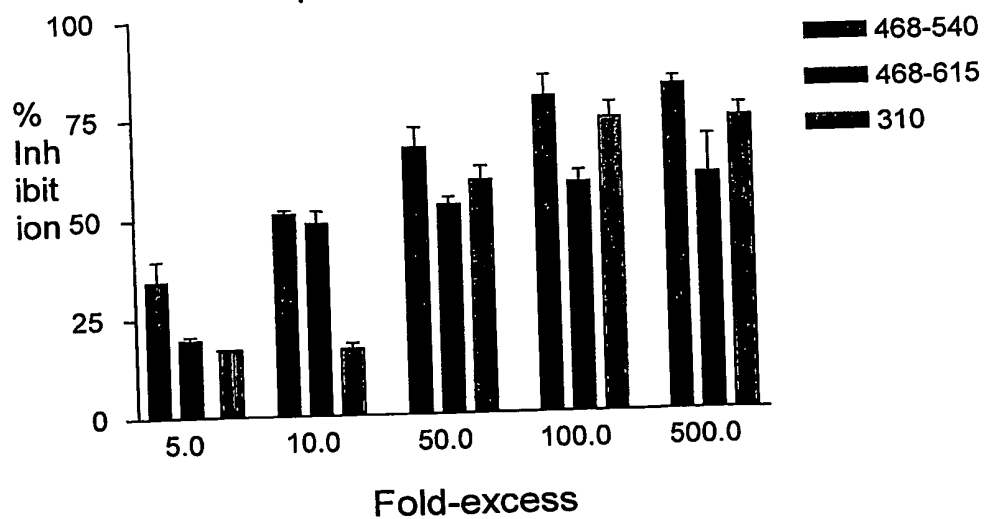


FIG 9

A.

468-540
Del (410-615)
Del (468-615)
Del (490-615)
Del (500-615)
Del (510-615)
Del (520-615)
Del (540-615)
(1-615)



B.

468-540 5'UTR

Molar-Fold
Excess, cold-RNA 0 2.5X 5X 10X 50X 100X 250X 10X 50X 100X 250X 500X



C.

SKBR3 Cyt Ext

Total Cell- Extracts

SKBR3 Calu3 AU565 MCF-7 293T HeLa HepG2 Retic Lysate

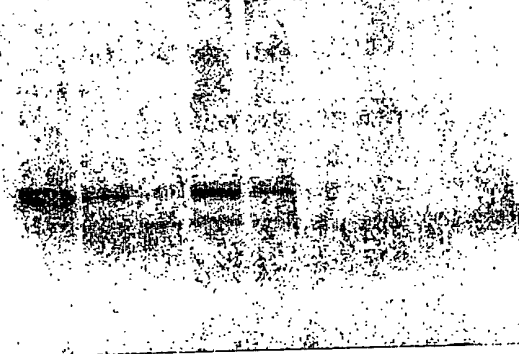


FIG 10